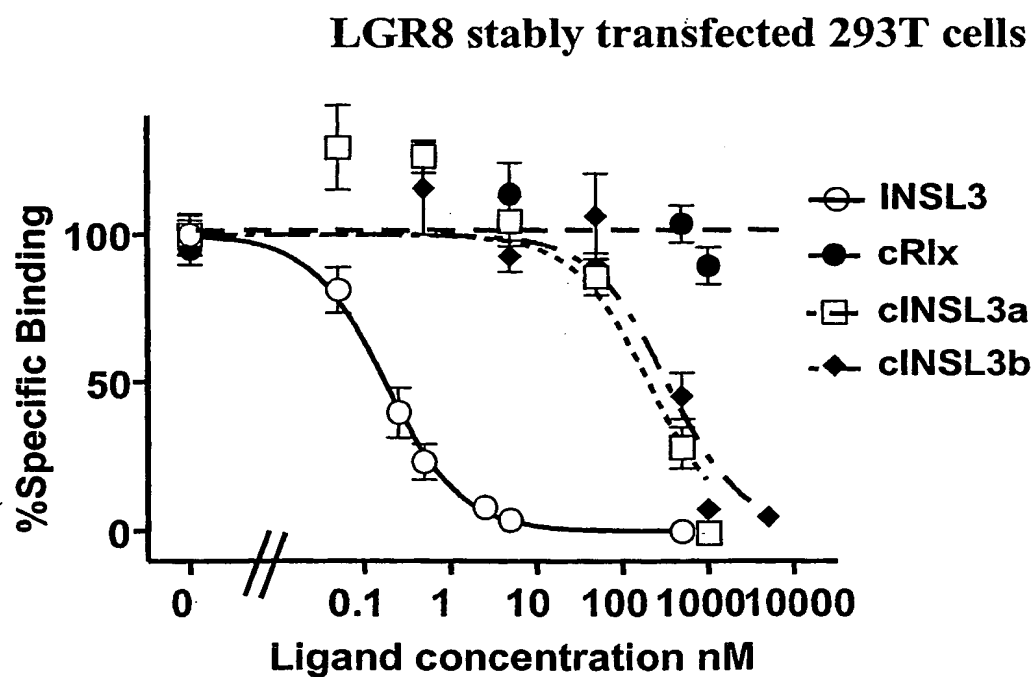


Figure 1



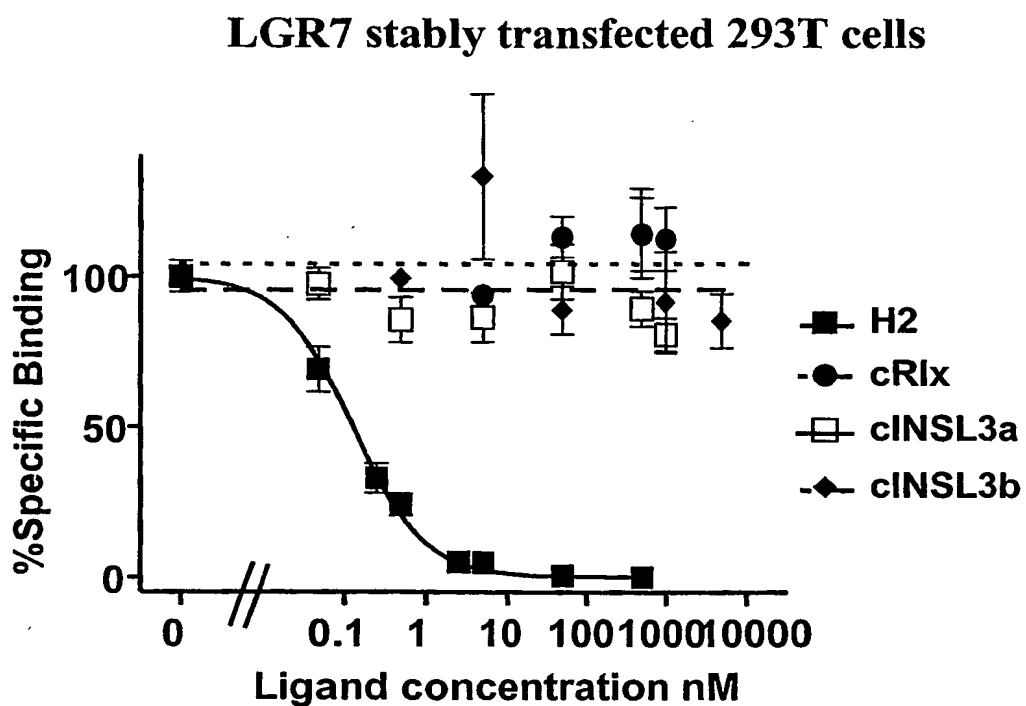
LGR8 pEC<sub>50</sub>(n=3 to 4)

GB- 0

GBII -  $-6.79 \pm 0.27$

GBIII -  $-6.26 \pm 0.23$  } ns

Figure 2



LGR7 pEC<sub>50</sub> (n=3 to 4)

H2 -10.04±0.37

cRIx -0

cINSLaII - 0

cISNLb - 0

## Sequences of relaxin superfamily B-chain peptide analogues




relaxin	DSWMEEVIKLCGRELVRAQIAICGMSTWS
INSL3 B-chain	PTPEMREKLCGHHFVRALVRVCGGPRWSTEA
cRlx	 SCMEEVIKLCGRELVRAQIAISGCS
cINSL3a	 TPCMREKLSGHHFVRALVRVSGGPCWS
cINSL3b	 TPCMREKLSGRHFVRALVRVSGGPCWS

Figure 3

# Antagonism of INSL3 at LGR8 by cINSL3a

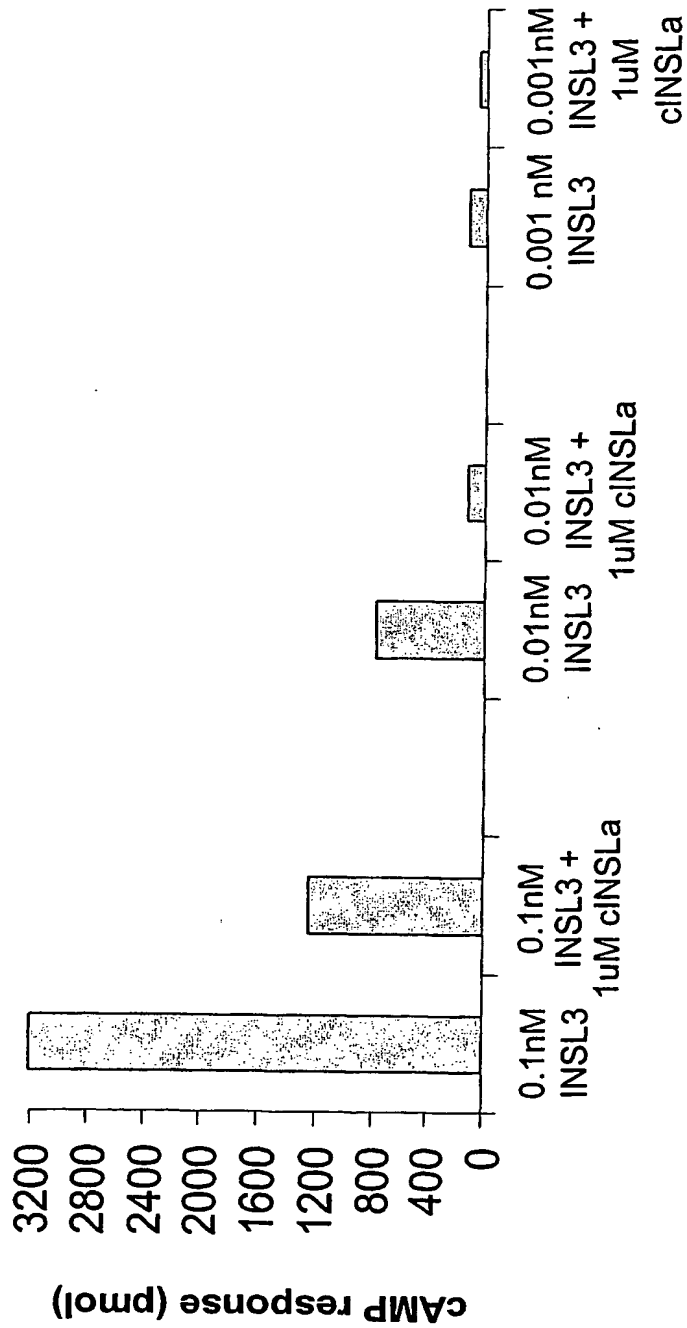
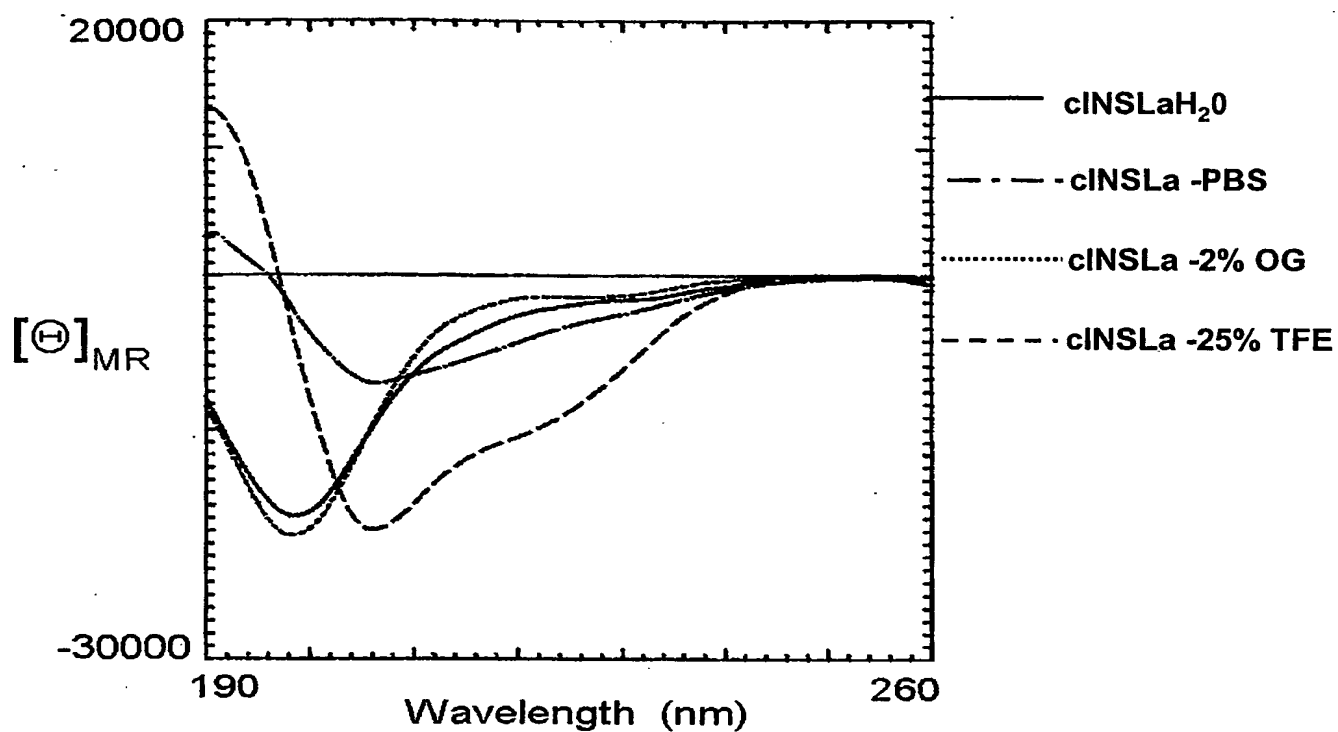


Figure 4

Figure 5

## CD spectra of cINSLa in various solvents



- 1 -

TABLE 1

SEQ ID NO:	RELAXIN SUPERFAMILY B-CHAIN PEPTIDE/ANALOGUE
1	relaxin-1 b-chain
2	relaxin-2 b-chain
3	relaxin 3 b-chain
4	insulin b-chain
5	IGF-I b-chain
6	IGF-2 b-chain
7	INSL3 b-chain
8	INSL4 b-chain
9	INSL5 b-chain
10	INSL6 b-chain
11	cyclic relaxin b-chain mimetic
12	INSL3 b-chain based peptide analogue 4
13	INSL3 b-chain based peptide analogue 5
14	INSL3 b-chain based peptide analogue 6
15	INSL3 b-chain based peptide analogue 7
16	relaxin-1 a-chain
17	relaxin-2 a-chain
18	relaxin-3 a-chain
19	insulin a-chain
20	IGF-1 a-chain
21	IGF2 a-chain
22	INSL3 a-chain (Ley I-L/RLF)
23	INSL4 a-chain (placental/EPIL)
24	INSL5 a-chain
25	INSL6 a-chain

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